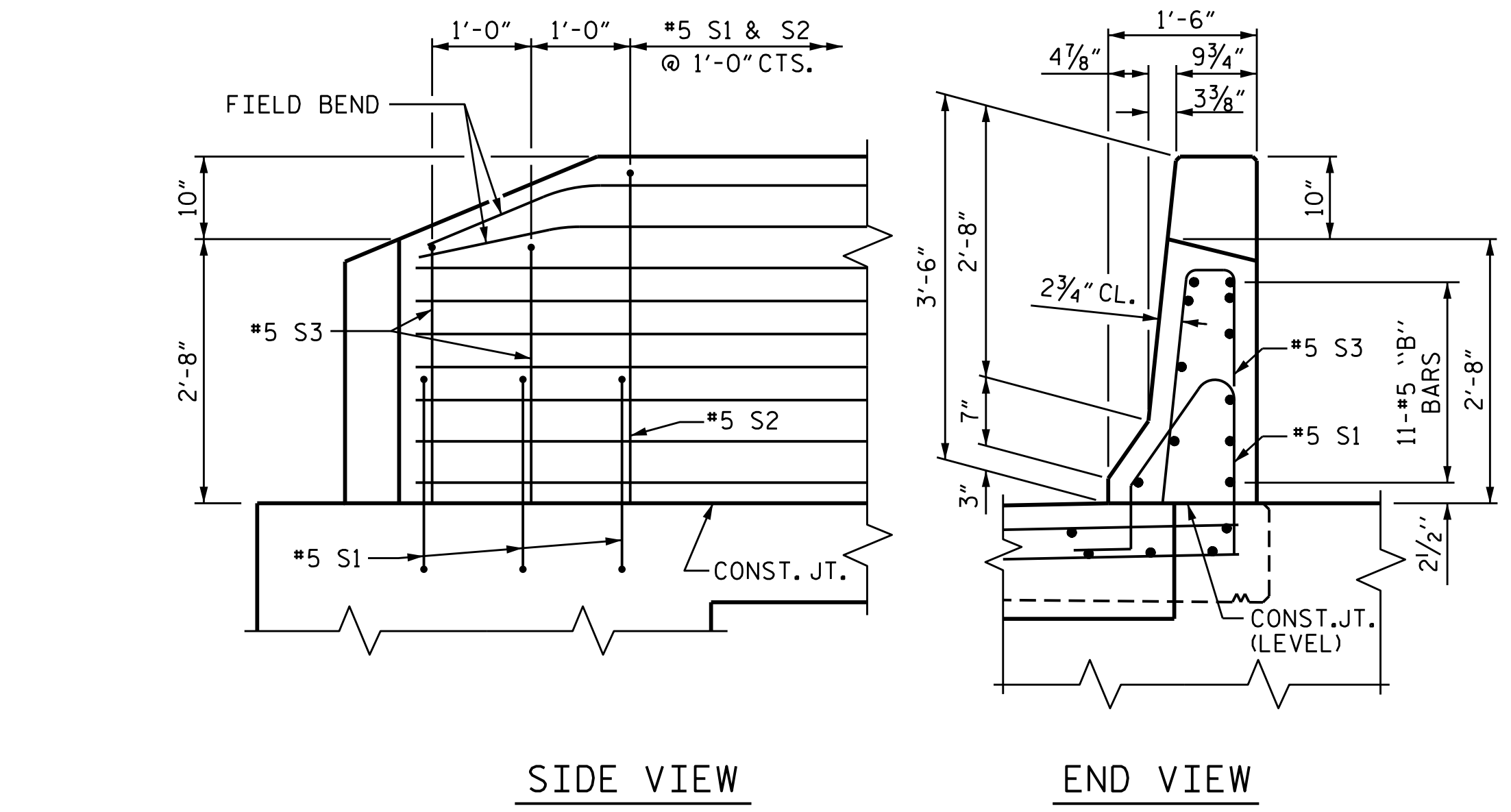
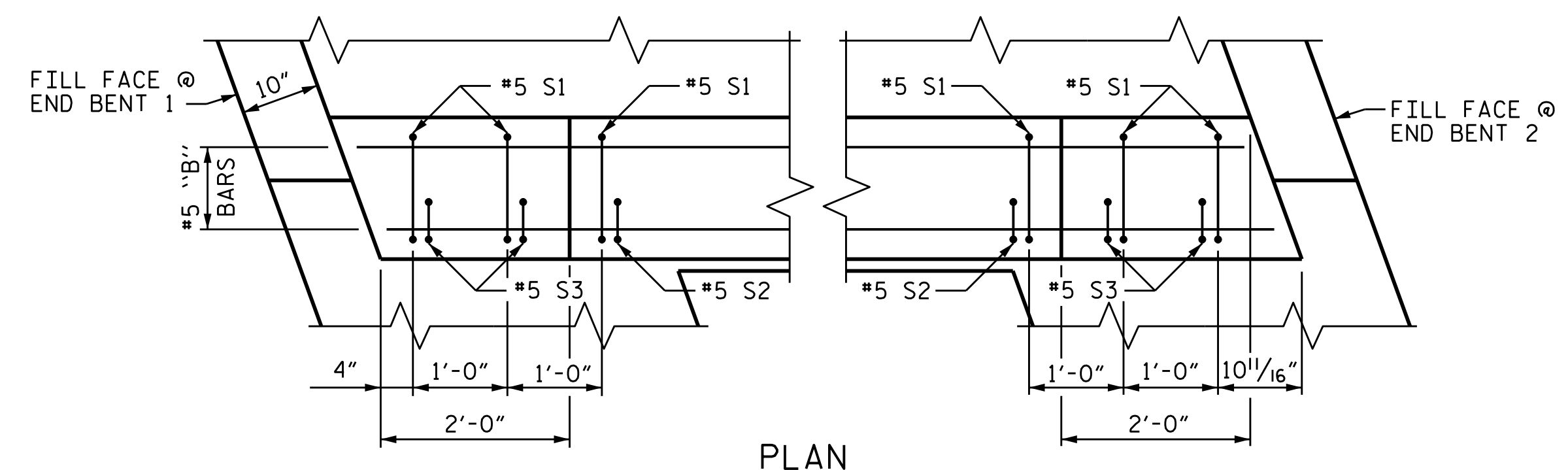
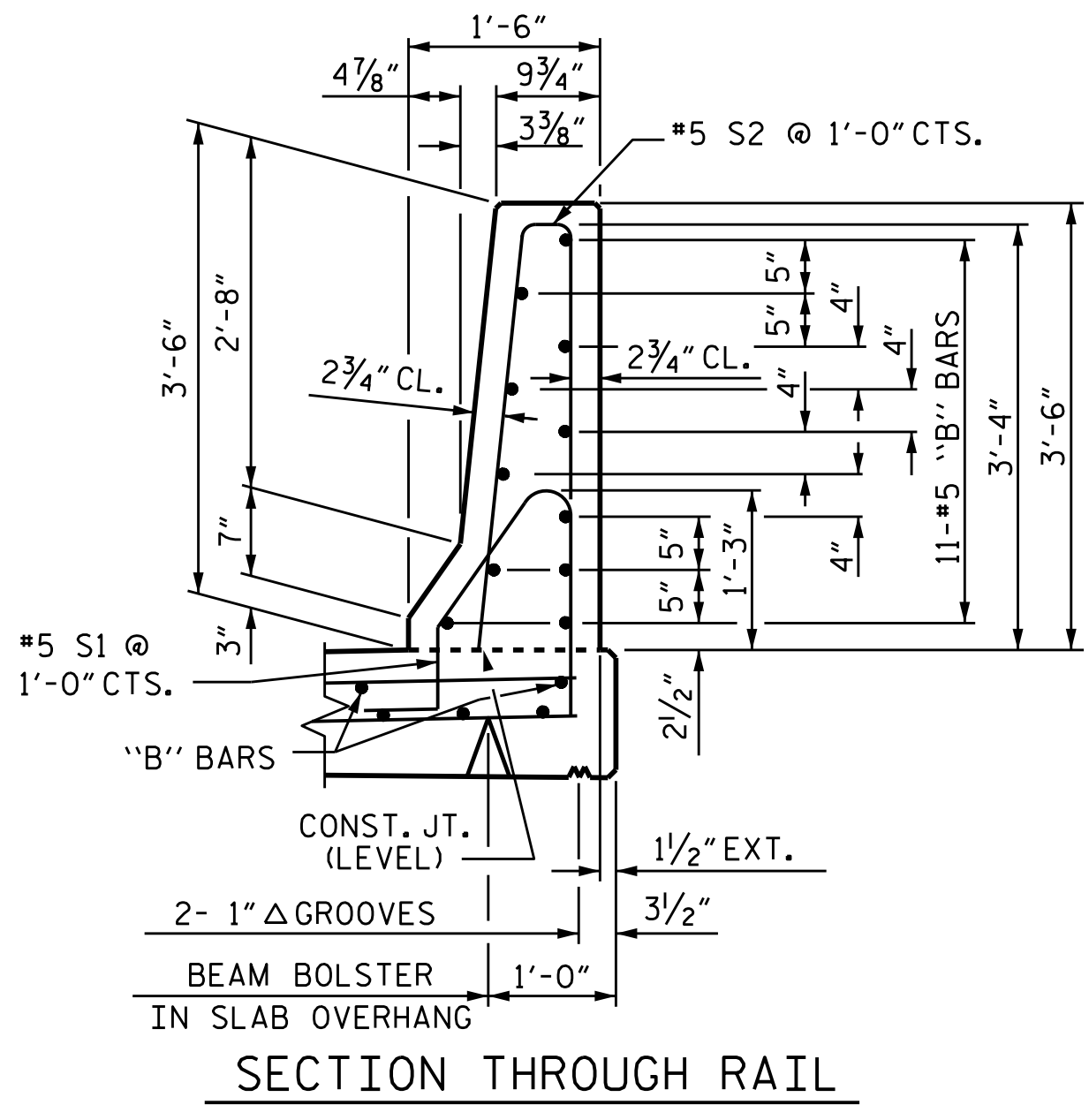


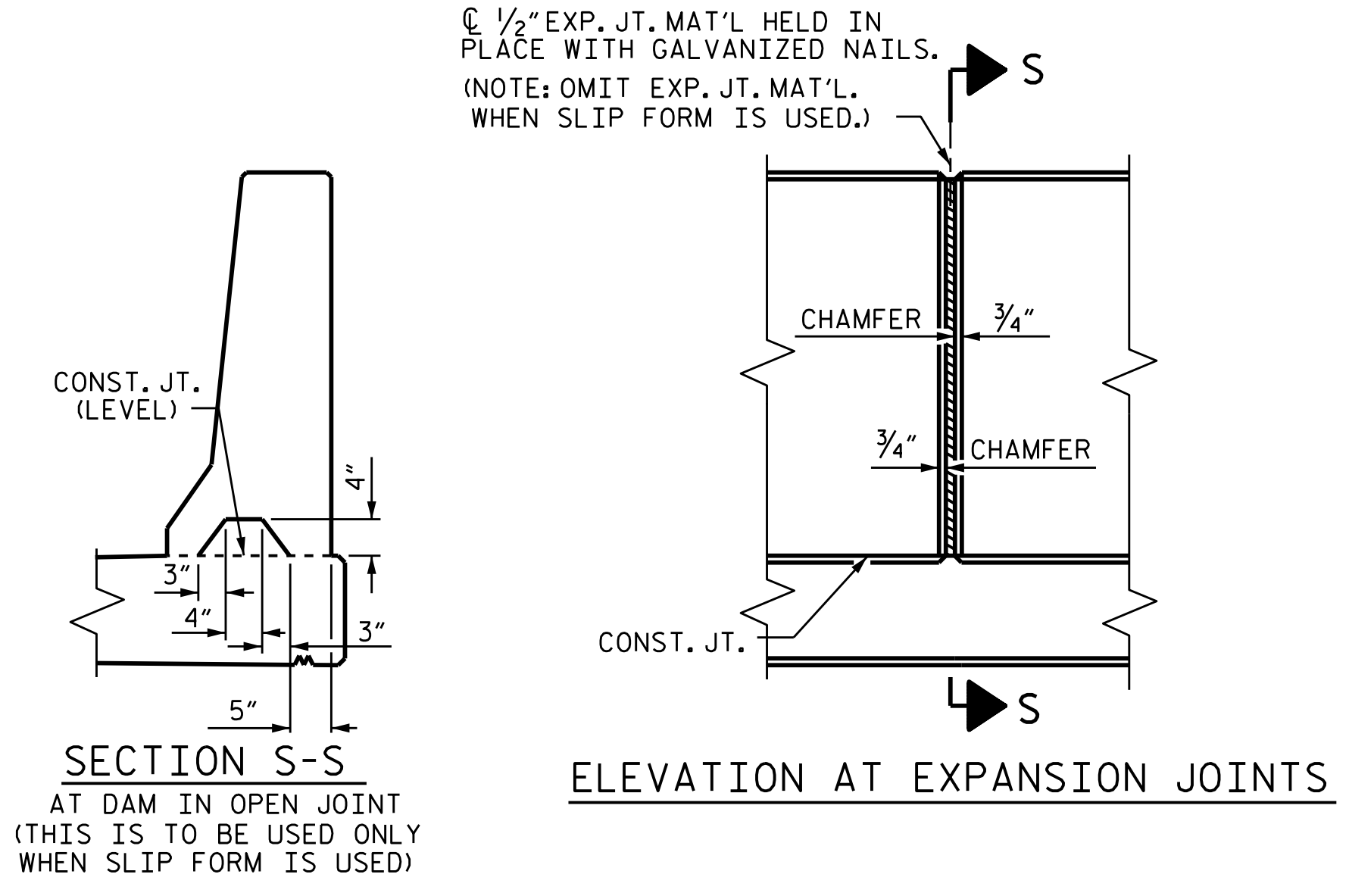
**PLAN OF CONCRETE BARRIER RAIL**



**END OF RAIL DETAILS**



**SECTION THROUGH RAIL**



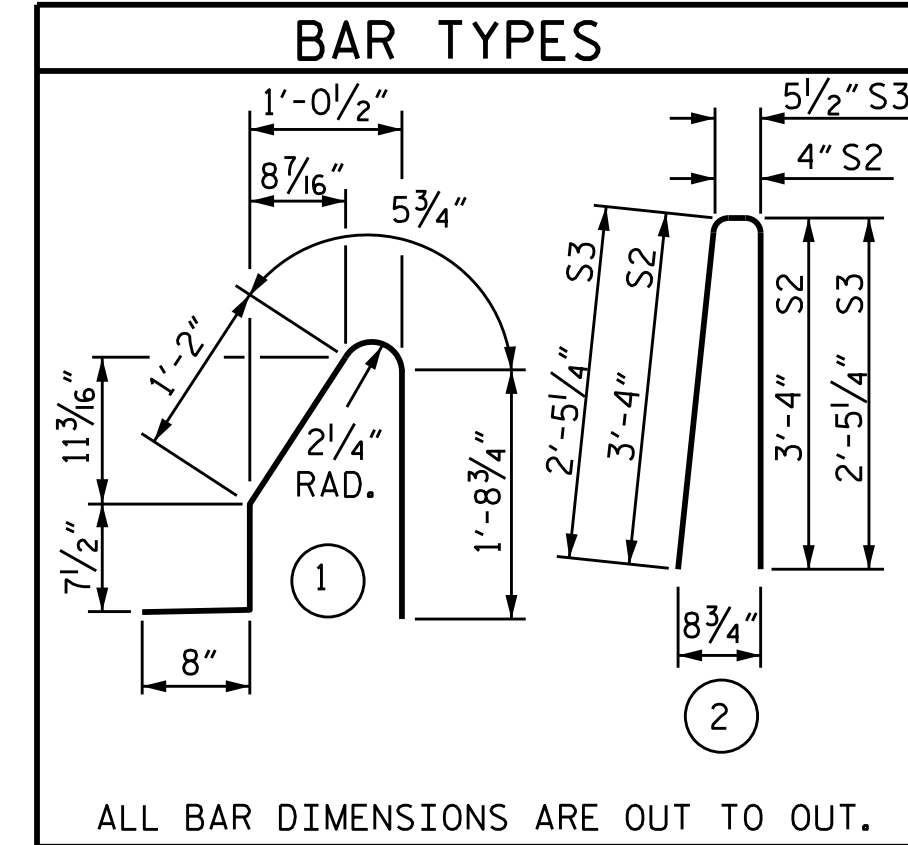
**BARRIER RAIL DETAILS**

**NOTES**

THE BARRIER RAIL IN EACH CONTINUOUS UNIT SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THAT UNIT HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

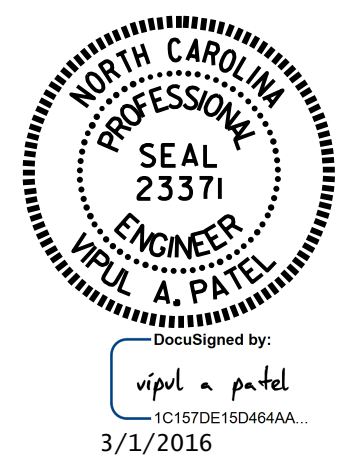
GROOVED CONTRACTION JOINTS, 1/2" IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACES OF THE BARRIER RAIL AND IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS. THE CONTRACTION JOINT SHALL BE LOCATED AT EACH THIRD POINT BETWEEN BARRIER RAIL EXPANSION JOINTS. ONLY ONE CONTRACTION JOINT IS REQUIRED AT MIDPOINT OF BARRIER RAIL SEGMENTS LESS THAN 20 FEET IN LENGTH AND NO CONTRACTION JOINTS ARE REQUIRED FOR THOSE SEGMENTS LESS THAN 10 FEET IN LENGTH.



BILL OF MATERIAL					
FOR CONCRETE BARRIER RAIL ONLY					
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
* B1	22	#5	STR	15'-8"	359
* B2	66	#5	STR	27'-7"	1899
* B3	22	#5	STR	12'-8"	291
* S1	218	#5	1	4'-8"	1061
* S2	214	#5	2	7'-0"	1562
* S3	4	#5	2	5'-4"	22
* EPOXY COATED REINFORCING STEEL				LBS.	5,194
CLASS AA CONCRETE				C.Y.	29.7
CONCRETE BARRIER RAIL				LN. FT.	218.22

PROJECT NO. B-5123  
 CABARRUS COUNTY  
 STATION: 21+44.10 -L-

SHEET 1 OF 2



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

STANDARD  
 3'-6" CONCRETE BARRIER RAIL  
 (LEFT LANE)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-17
1			3			TOTAL SHEETS 74
2			4			

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ASSEMBLED BY : K.D. LAYNE	DATE : 8/7/15	
CHECKED BY : N. DALIUTO	DATE : 9/10/15	
DRAWN BY : ARB 5/87	REV. 10/1/11	MAA/GM
CHECKED BY : SJD 9/87	REV. 7/12	MAA/GM
	REV. 6/13	MAA/GM